

12-27-99

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PTO/SB/05 (12/97)

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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12/22/99

**UTILITY PATENT APPLICATION TRANSMITTAL**  
 (Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 003263.P003 Total Pages 2

First Named Inventor or Application Identifier Douglas J. Thomson et al

Express Mail Label No. EL431684938US

ADDRESS TO: Assistant Commissioner for Patents  
 Box Patent Application  
 Washington, D. C. 20231

12/22/99

09/47/1467

U.S. PTO

**APPLICATION ELEMENTS**  
 See MPEP chapter 600 concerning utility patent application contents.

1.  X  Fee Transmittal Form  
 (Submit an original, and a duplicate for fee processing)
2.  X  Specification (Total Pages 24)  
 (preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claims
  - Abstract of the Disclosure
3.  X  Drawings(s) (35 USC 113) (Total Sheets 8 ✓)
4.  X  Oath or Declaration (Total Pages 5 each (2 declarations))
  - a.  X  Newly Executed (Original or Copy)
  - b.      Copy from a Prior Application (37 CFR 1.63(d))  
 (for Continuation/Divisional with Box 17 completed) (**Note Box 5 below**)
  - i.      DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5.      Incorporation By Reference (useable if Box 4b is checked)  
 The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6.      Microfiche Computer Program (Appendix)

a. \_\_\_\_\_ Computer Readable Copy  
b. \_\_\_\_\_ Paper Copy (identical to computer copy)  
c. \_\_\_\_\_ Statement verifying identity of above copies

8. X Assignment Papers (cover sheet & documents(s))  
9.    a. 37 CFR 3.73(b) Statement (where there is an assignee)  
X b. Power of Attorney  
10.    English Translation Document (if applicable)  
11.        a. Information Disclosure Statement (IDS)/PTO-1449  
       b. Copies of IDS Citations  
12.        Preliminary Amendment  
13. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  
14.        a. Small Entity Statement(s)  
       b. Statement filed in prior application, Status still proper and desired  
15.        Certified Copy of Priority Document(s) (if foreign priority is claimed)  
16. X Other: separate sheet with Express Mail Certificate, copy of postcard, and attorney's signature

\_\_\_\_ Continuation      \_\_\_\_ Divisional      \_\_\_\_ Continuation-in-part (CIP)  
of prior application No: \_\_\_\_

Country U.S.A. TELEPHONE (425) 827-8600 FAX (425) 827-5644

Our Reference: 003263.P003

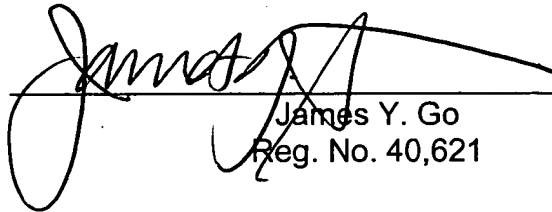
Patent

SCANNING FORCE MICROSCOPE PROBE CANTILEVER WITH REFLECTIVE  
STRUCTURE

Inventors: Douglas J. Thomson and Christopher O. Lada

Respectfully submitted,

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

  
James Y. Go  
Reg. No. 40,621

"Express Mail" mailing label number: EL431684938

Date of Deposit: December 22, 1999

I hereby certify that I am causing this paper or fee to be deposited with  
the United States Postal Service "Express Mail Post Office to Addressee"  
service on the date indicated above and that this paper or fee has been  
addressed to the Assistant Commissioner for Patents, Washington, D. C.  
20231

Melanie Besecker

(Typed or printed name of person mailing paper or fee)

Melanie Besecker 12-22-99  
(Signature of person mailing paper or fee) (Date signed)

Serial/Patent No.: New Application Filing/Issue Date: Herewith  
Client: Micron Force Instruments, Inc.  
Title: SCANNING FORCE MICROSCOPE PROBE CANTILEVER WITH REFLECTIVE  
STRUCTURE

BSTZ File No.: 003263.P003

Atty/Secty Initials: JYG:mmb

Date Mailed: December 22, 1999

Docket Due Date: \_\_\_\_\_

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Amendment/Response (____ pgs.)  | <input checked="" type="checkbox"/> Express Mail No.: <u>EL431684938US</u>           | <input checked="" type="checkbox"/> Check No. <u>000186</u> |
| <input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate)                                    | <input type="checkbox"/> _____ Month(s) Extension of Time                            | Amt: <u>\$854.00</u>  |
| <input checked="" type="checkbox"/> Application - Utility ( <u>24</u> pgs., with cover and abstract) | <input type="checkbox"/> Information Disclosure Statement & PTO 149 (____ pgs.)      | <input type="checkbox"/> Check No. _____                    |
| <input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.)                         | <input type="checkbox"/> Issue Fee Transmittal                                       | Amt: _____  |
| <input type="checkbox"/> Application - Rule 1.53(b) Divisional (____ pgs.)                           | <input type="checkbox"/> Notice of Appeal  |   |
| <input type="checkbox"/> Application - Rule 1.53(b) CIP (____ pgs.)                                  | <input type="checkbox"/> Petition for Extension of Time                              |   |
| <input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal (____ pgs.)                      | <input type="checkbox"/> Petition for _____  |   |
| <input type="checkbox"/> Application - Design (____ pgs.)  | <input checked="" type="checkbox"/> Postcard   |   |
| <input type="checkbox"/> Application - PCT (____ pgs.)   | <input type="checkbox"/> Power of Attorney (____ pgs.)                               |   |
| <input type="checkbox"/> Application - Provisional (____ pgs.)                                       | <input type="checkbox"/> Preliminary Amendment (____ pgs.)                           |   |
| <input checked="" type="checkbox"/> Assignment and Cover Sheet (2 Assignments)                       | <input type="checkbox"/> Reply Brief (____ pgs.)                                     |   |
| <input checked="" type="checkbox"/> Certificate of Mailing (2 pgs each)                              | <input type="checkbox"/> Response to Notice of Missing Parts                         |   |
| <input checked="" type="checkbox"/> Declaration & POA (____ pgs.) (2 decl., 5 pgs)                   | <input type="checkbox"/> Small Entity Declaration for Indep. Inventor/Small Business |   |
| <input type="checkbox"/> Disclosure Docs & Orig & Copy of Inventor's Signed Letter (____ pgs)        | <input checked="" type="checkbox"/> Transmittal Letter, in duplicate (2 pgs each)    |   |
| <input checked="" type="checkbox"/> Drawings: <u>8</u> # of sheets includes <u>8</u> figures each    | <input checked="" type="checkbox"/> Fee Transmittal, in duplicate (2 pgs each)       |   |

☒ Other: separate sheet with copy of postcard, express mail label and attorney's signature

**FEE TRANSMITTAL****TOTAL AMOUNT OF PAYMENT (\$)** 854.00

Complete if Known:

Application No. New ApplicationFiling Date HerewithFirst Named Inventor Douglas J. Thomson

Group Art Unit \_\_\_\_\_

Examiner Name \_\_\_\_\_

Attorney Docket No. 003263.P003**METHOD OF PAYMENT (check one)**

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666

Deposit Account Name \_\_\_\_\_

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17☐ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.131(b)

2. ☒ Payment Enclosed

☒ Check☐ Money Order☐ Other**FEE CALCULATION (fees effective 11/10/98)****1. FILING FEE**

| <u>Large Entity</u> |                 | <u>Small Entity</u> |                 | <u>Fee Description</u>             | <u>Fee Paid</u>  |
|---------------------|-----------------|---------------------|-----------------|------------------------------------|------------------|
| <u>Fee Code</u>     | <u>Fee (\$)</u> | <u>Fee Code</u>     | <u>Fee (\$)</u> |                                    |                  |
| 101                 | 790             | 201                 | 395             | Utility application filing fee     | <u>760.00</u>    |
| 106                 | 330             | 206                 | 165             | Design application filing fee      | _____            |
| 107                 | 540             | 207                 | 270             | Plant filing fee                   | _____            |
| 108                 | 790             | 208                 | 395             | Reissue filing fee                 | _____            |
| 114                 | 150             | 214                 | 75              | Provisional application filing fee | _____            |
| <b>SUBTOTAL (1)</b> |                 |                     |                 |                                    | <b>\$ 760.00</b> |

**2. CLAIMS**

|                           |           |        | <u>Extra</u> |   | <u>Fee from below</u> |   | <u>Fee Paid</u> |
|---------------------------|-----------|--------|--------------|---|-----------------------|---|-----------------|
| Total Claims              | <u>23</u> | - 20 = | <u>3</u>     | X | <u>18.00</u>          | = | <u>54.00</u>    |
| Independent Claims        | <u>2</u>  | - 3 =  | <u>0</u>     | X | <u>78.00</u>          | = | <u>0</u>        |
| Multiple Dependent Claims |           |        |              | X |                       | = |                 |

| <u>Large Entity</u> |                 | <u>Small Entity</u> |                 | <u>Fee Description</u>                                  | <u>Fees paid</u> |
|---------------------|-----------------|---------------------|-----------------|---|------------------|
| <u>Fee Code</u>     | <u>Fee (\$)</u> | <u>Fee Code</u>     | <u>Fee (\$)</u> |   |                  |
| 103                 | 22              | 203                 | 11              | Claims in excess of twenty                              | <u>54.00</u>     |
| 102                 | 82              | 202                 | 41              | Independent claims in excess of 3                       | <u>0</u>         |
| 104                 | 270             | 204                 | 135             | Multiple dependent claim                                | _____            |
| 109                 | 82              | 209                 | 41              | Reissue independent claims over original patent         | _____            |
| 110                 | 22              | 210                 | 11              | Reissue claims in excess of 20 and over original patent | _____            |
| <b>SUBTOTAL (2)</b> |                 |                     |                 |   | <b>\$ 54.00</b>  |

**FEE CALCULATION (continued)**

### 3. ADDITIONAL FEES

| <u>Large Entity</u>       |          | <u>Small Entity</u> |          | <u>Fee Description</u>   | <u>Fee Paid</u> |
|---------------------------|----------|---------------------|----------|--|-----------------|
| Code                      | Fee (\$) | Code                | Fee (\$) |  |                 |
| 105                       | 130      | 205                 | 65       | Surcharge - late filing fee or oath  |                 |
| 127                       | 50       | 227                 | 25       | Surcharge - late provisional filing fee or cover sheet                     |                 |
| 139                       | 130      | 139                 | 130      | Non-English specification  |                 |
| 147                       | 2,520    | 147                 | 2,520    | For filing a request for reexamination                                     |                 |
| 112                       | 920*     | 112                 | 920*     | Requesting publication of SIR prior to Examiner action                     |                 |
| 113                       | 1,840*   | 113                 | 1,840*   | Requesting publication of SIR after Examiner action                        |                 |
| 115                       | 110      | 215                 | 55       | Extension for response within first month                                  |                 |
| 116                       | 400      | 216                 | 200      | Extension for response within second month                                 |                 |
| 117                       | 950      | 217                 | 475      | Extension for response within third month                                  |                 |
| 118                       | 1,510    | 218                 | 755      | Extension for response within fourth month                                 |                 |
| 128                       | 2,060    | 228                 | 1,030    | Extension for response within fifth month                                  |                 |
| 119                       | 310      | 219                 | 155      | Notice of Appeal   |                 |
| 120                       | 310      | 220                 | 155      | Filing a brief in support of an appeal                                     |                 |
| 121                       | 270      | 221                 | 135      | Request for oral hearing   |                 |
| 138                       | 1,510    | 138                 | 1,510    | Petition to institute a public use proceeding                              |                 |
| 140                       | 110      | 240                 | 55       | Petition to revive unavoidably abandoned application                       |                 |
| 141                       | 1,320    | 241                 | 660      | Petition to revive unintentionally abandoned application                   |                 |
| 142                       | 1,320    | 242                 | 660      | Utility issue fee (or reissue)   |                 |
| 143                       | 450      | 243                 | 225      | Design issue fee   |                 |
| 144                       | 670      | 244                 | 335      | Plant issue fee  |                 |
| 122                       | 130      | 122                 | 130      | Petitions to the Commissioner  |                 |
| 123                       | 50       | 123                 | 50       | Petitions related to provisional applications                              |                 |
| 126                       | 240      | 126                 | 240      | Submission of Information Disclosure Stmt                                  |                 |
| 581                       | 40       | 581                 | 40       | Recording each patent assignment per property (times number of properties) | 40.00           |
| 146                       | 790      | 246                 | 395      | For filing a submission after final rejection (see 37 CFR 1.129(a))        |                 |
| 149                       | 790      | 249                 | 395      | For each additional invention to be examined (see 37 CFR 1.129(a))         |                 |
| Other fee (specify) _____ |          |                     |          |  |                 |
| Other fee (specify) _____ |          |                     |          |  |                 |

SUBTOTAL (3)\$ 40.00

\*Reduced by Basic Filing Fee Paid

#### SUBMITTED BY:

Typed or Printed Name: James Y. Go

Signature 

Date 12-22-99

Reg. Number 40, 621

Deposit Account User ID         

Express Mail No. EL431684938US

(complete if applicable)